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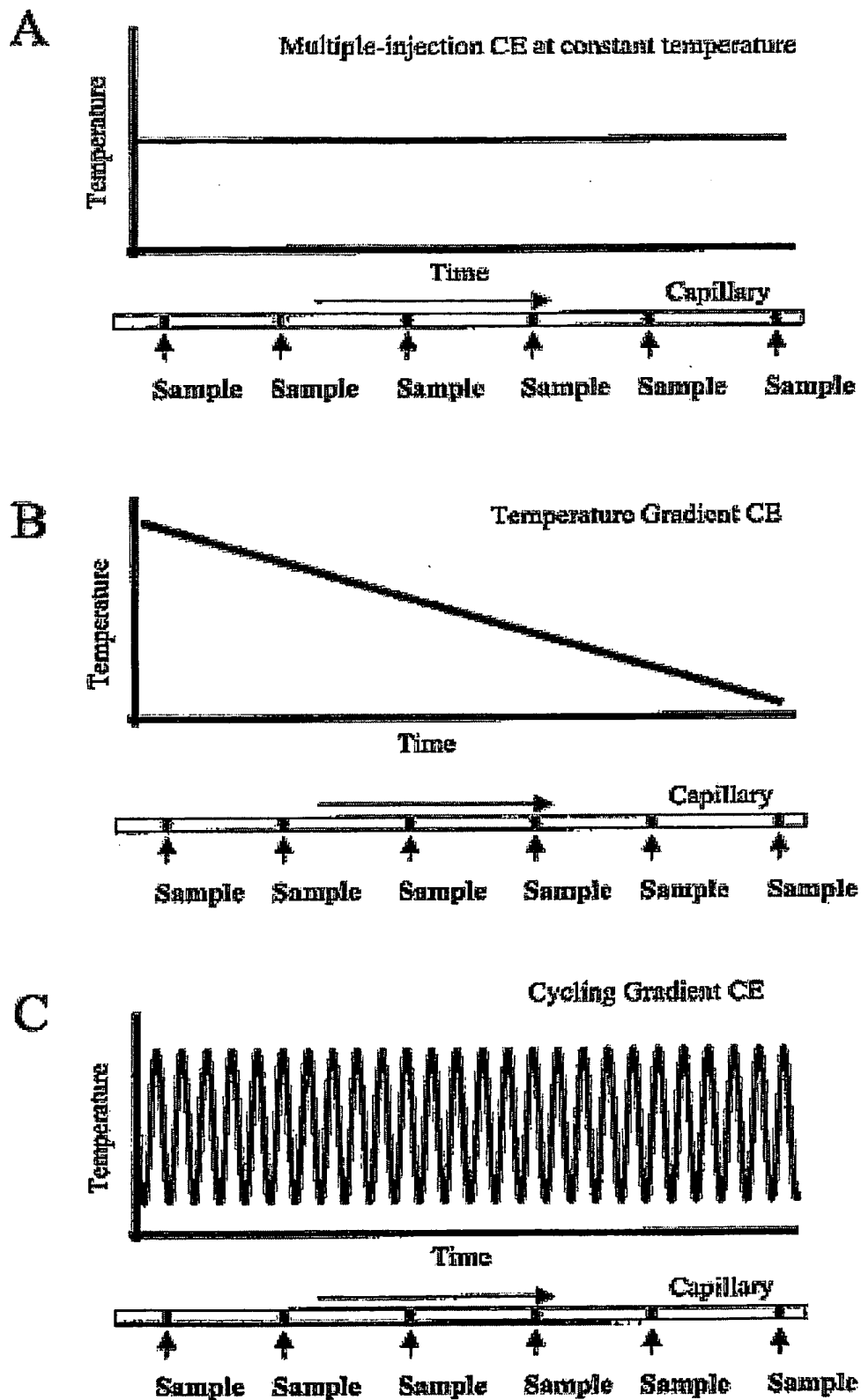
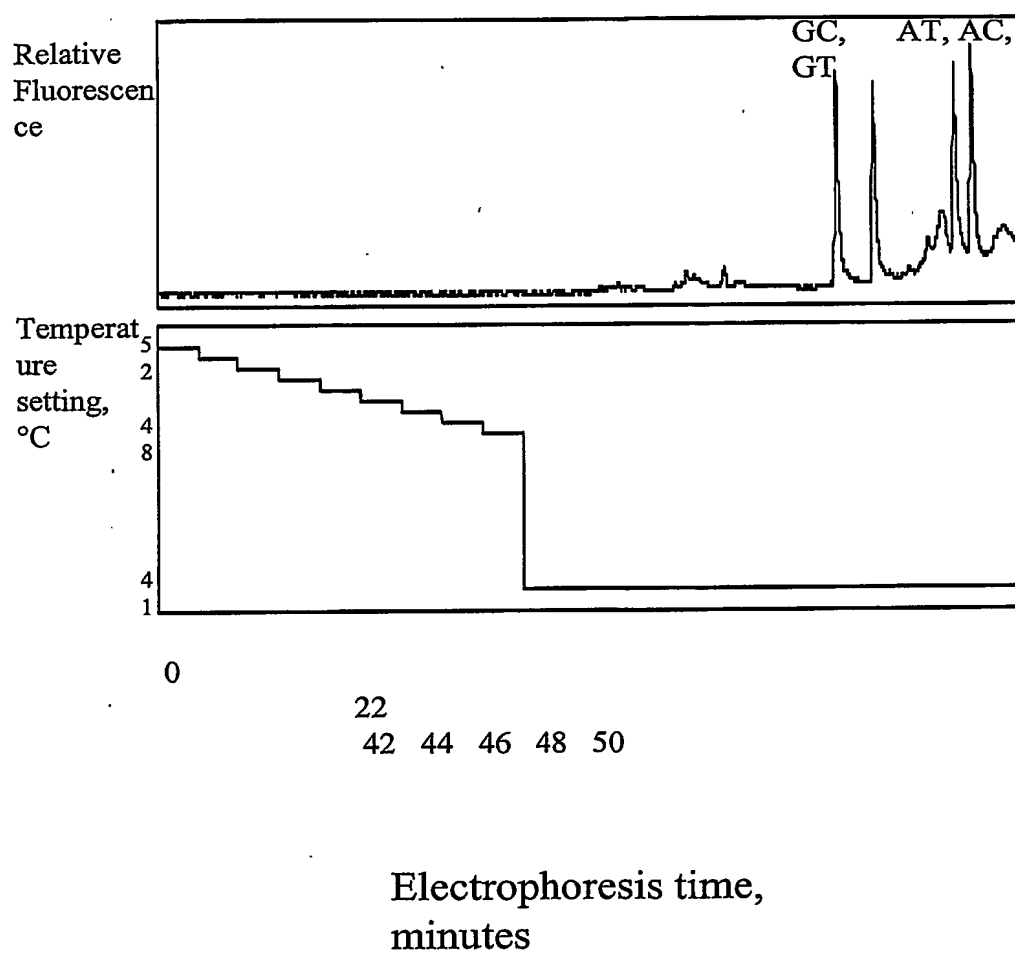


FIG. 1

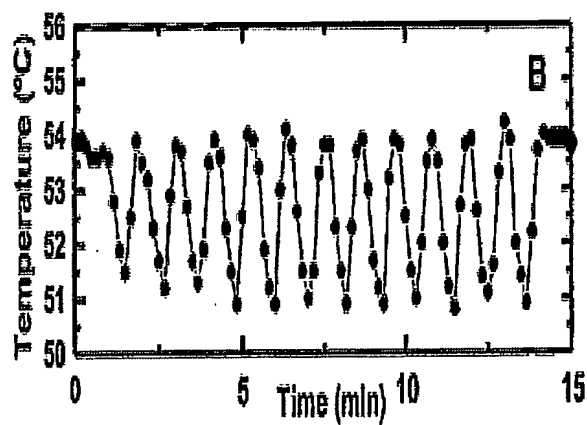
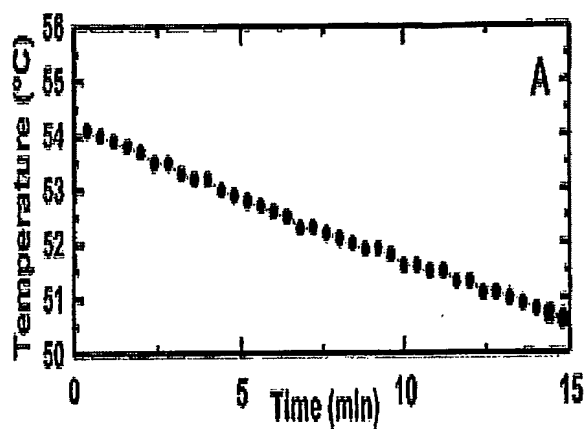
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FIG. 2



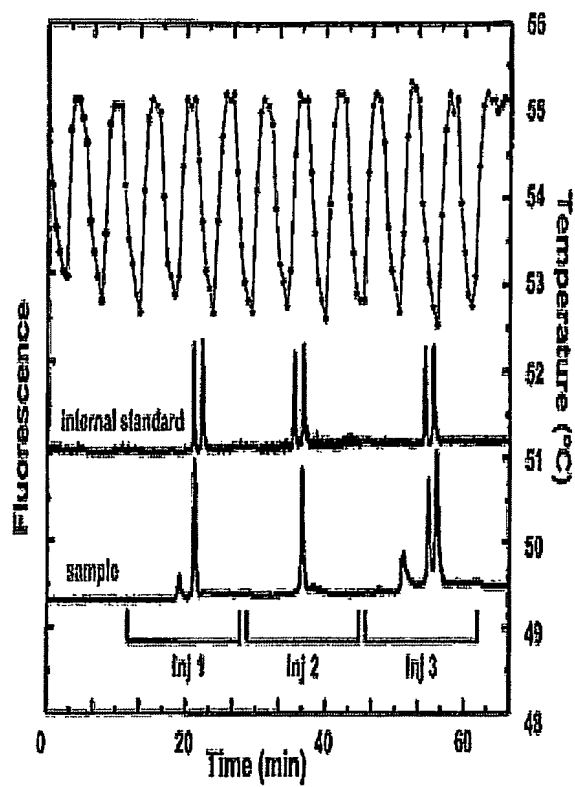
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FIG. 3



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FIG. 4



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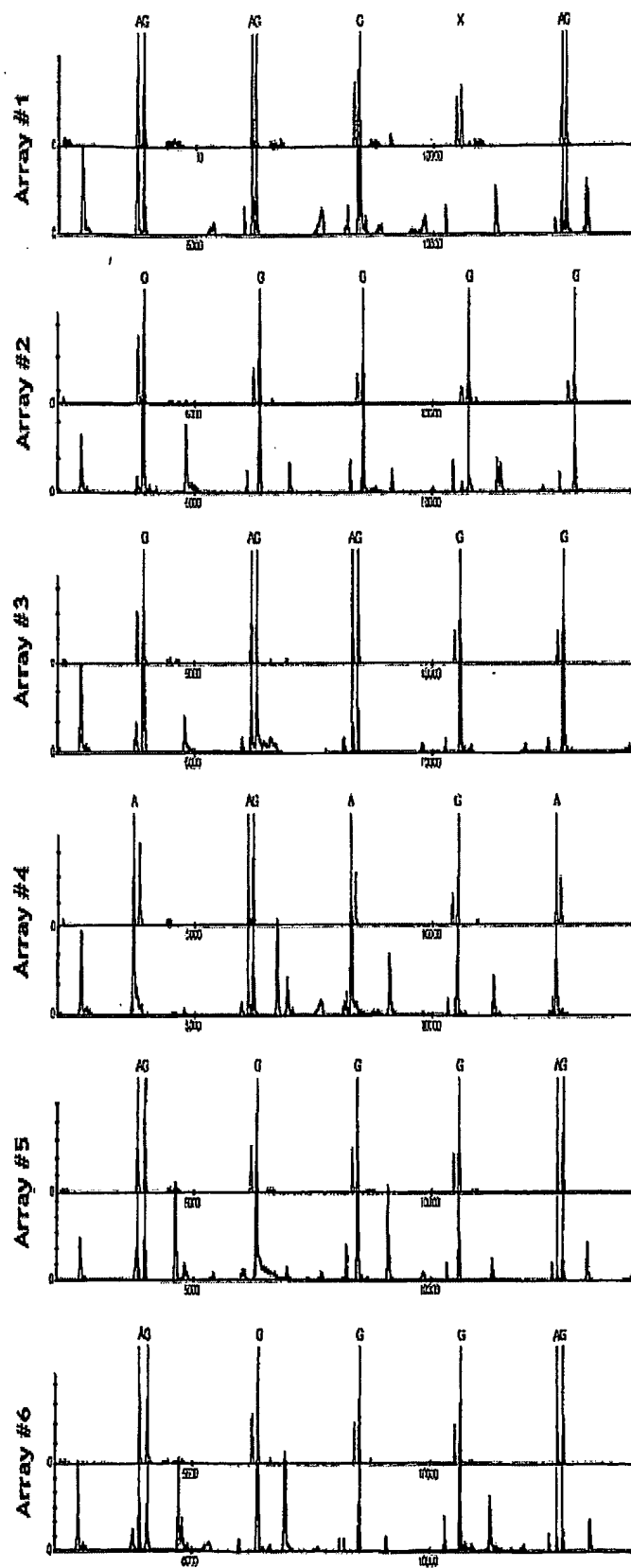
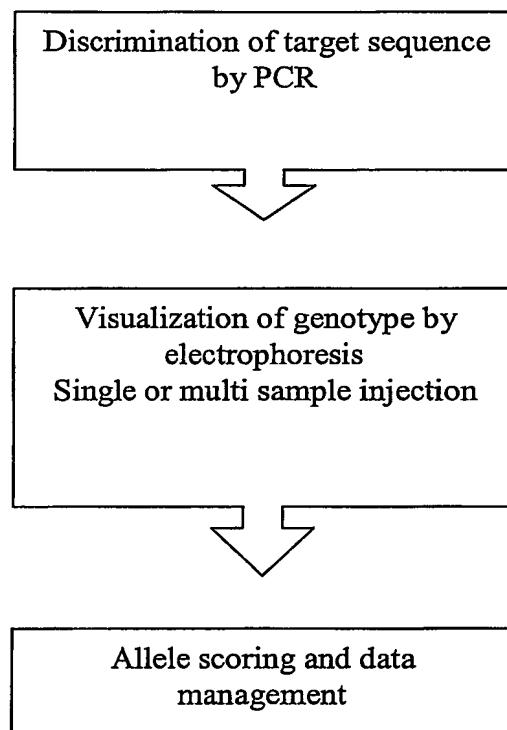


FIG. 5

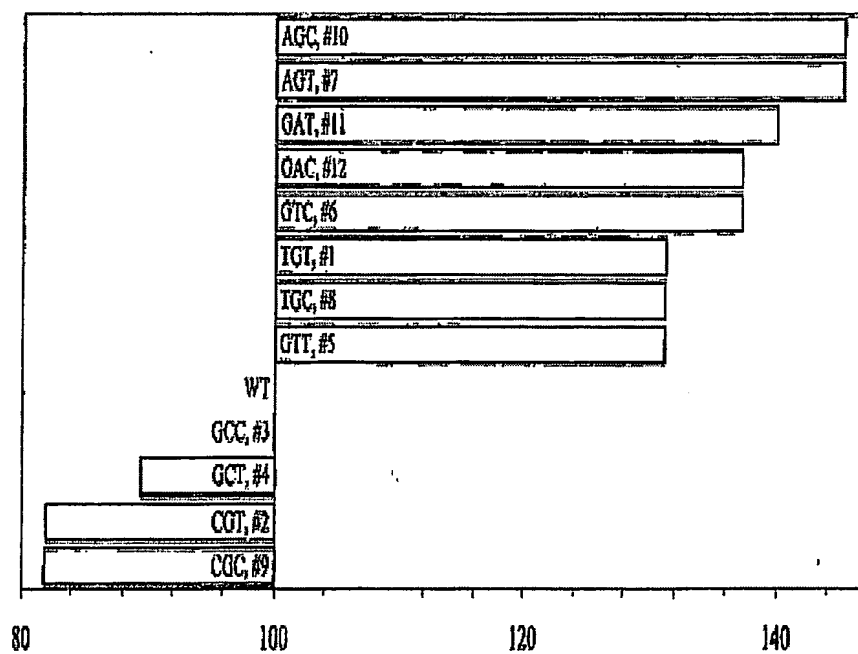
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FIG. 6



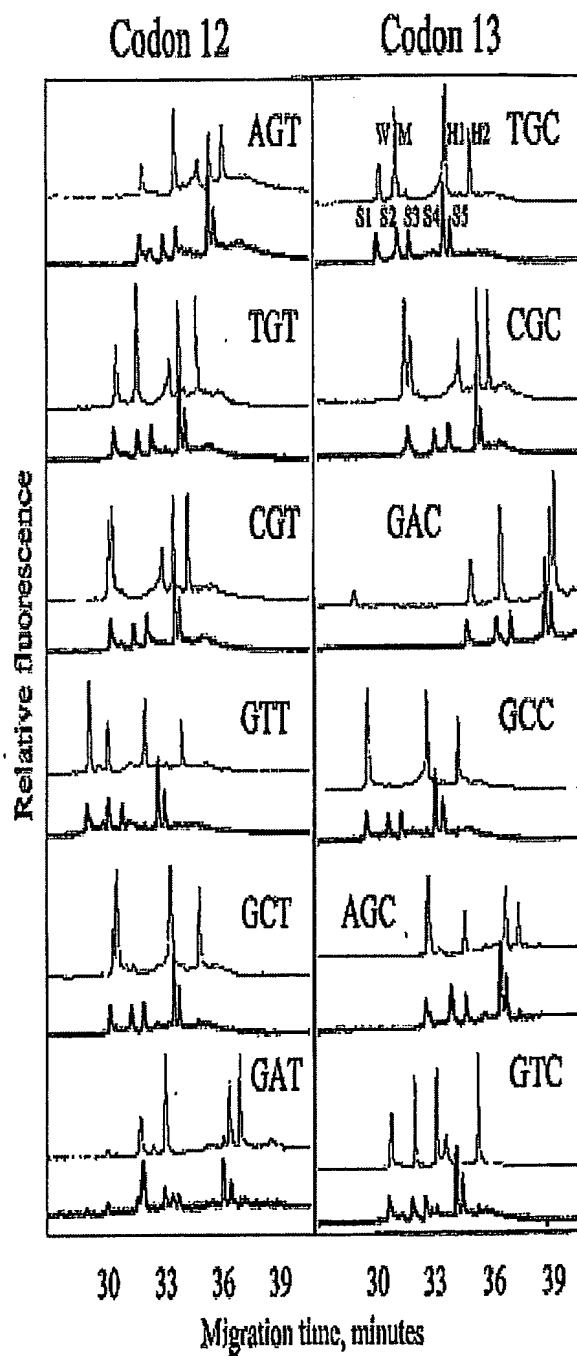
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FIG. 7



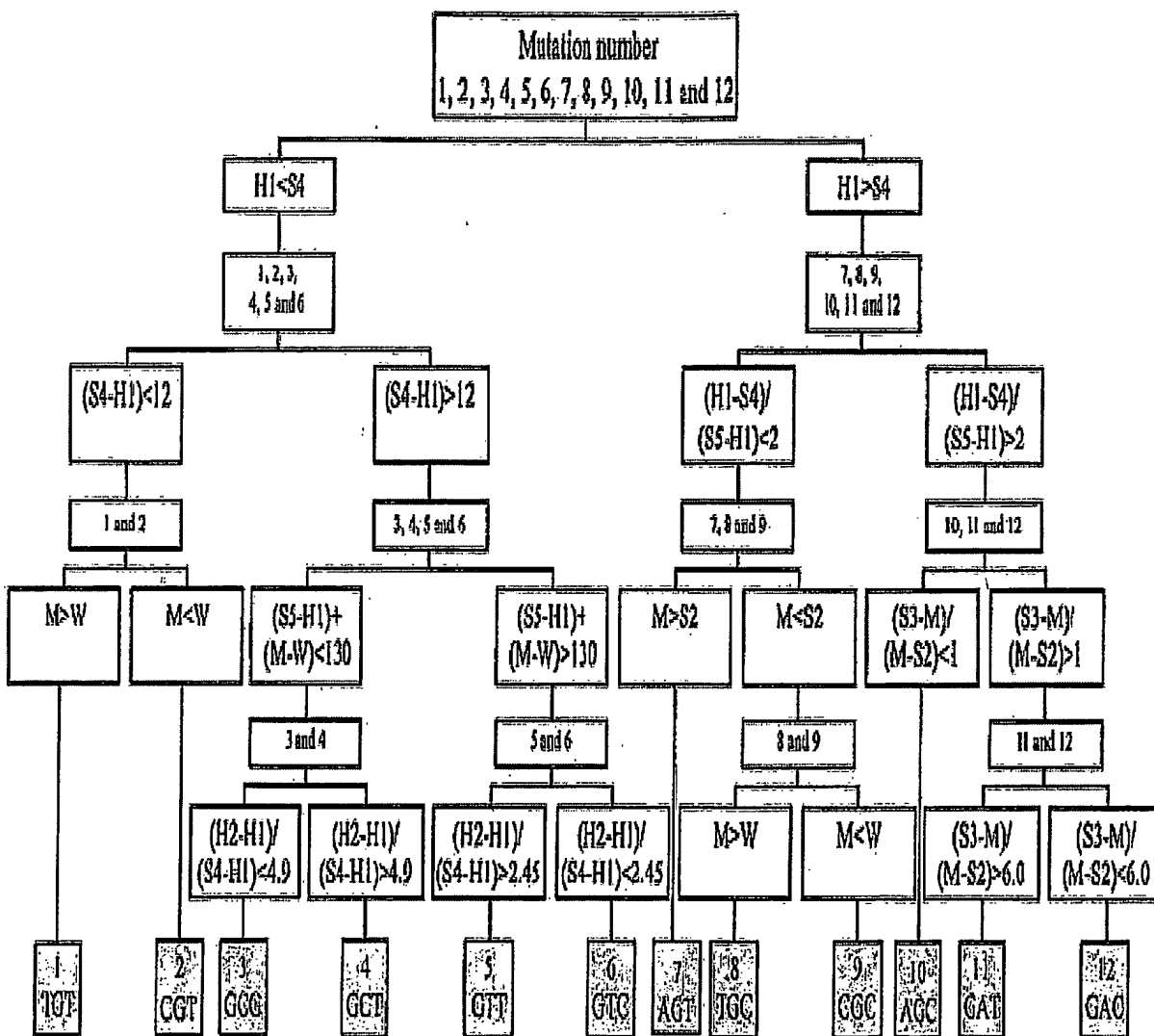
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FIG. 8



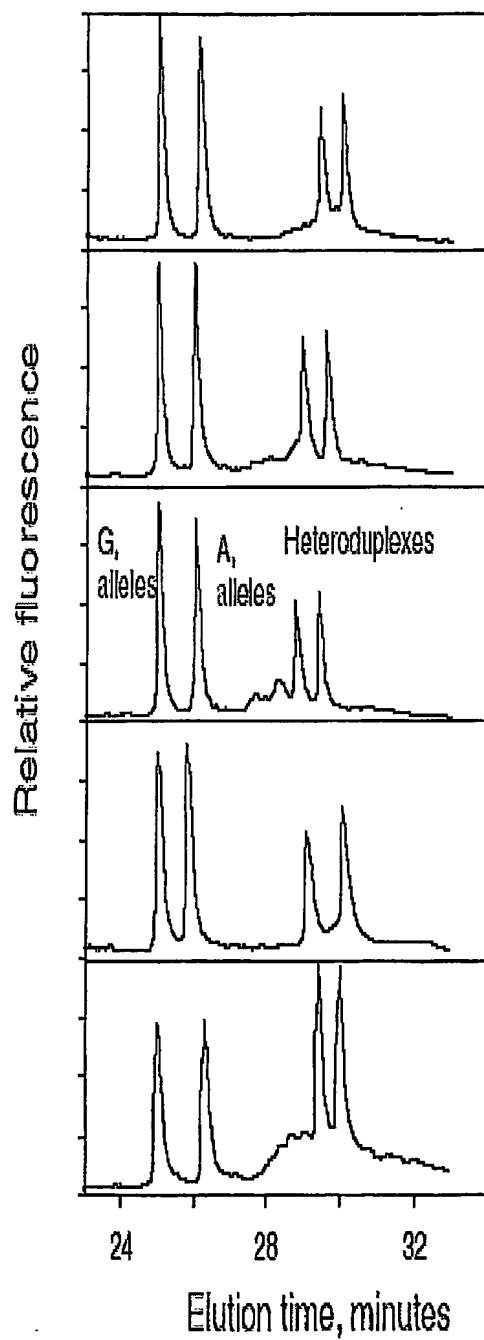
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FIG. 9



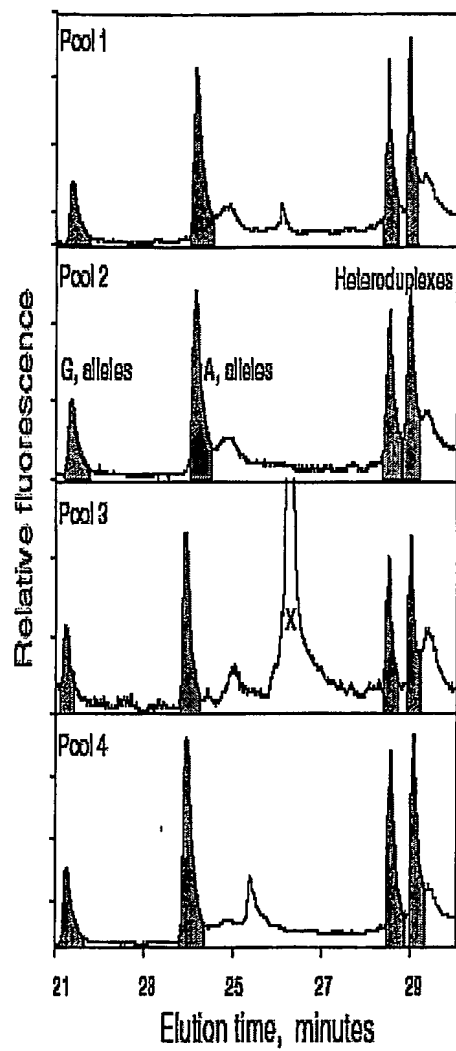
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FIG. 10



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FIG. 11



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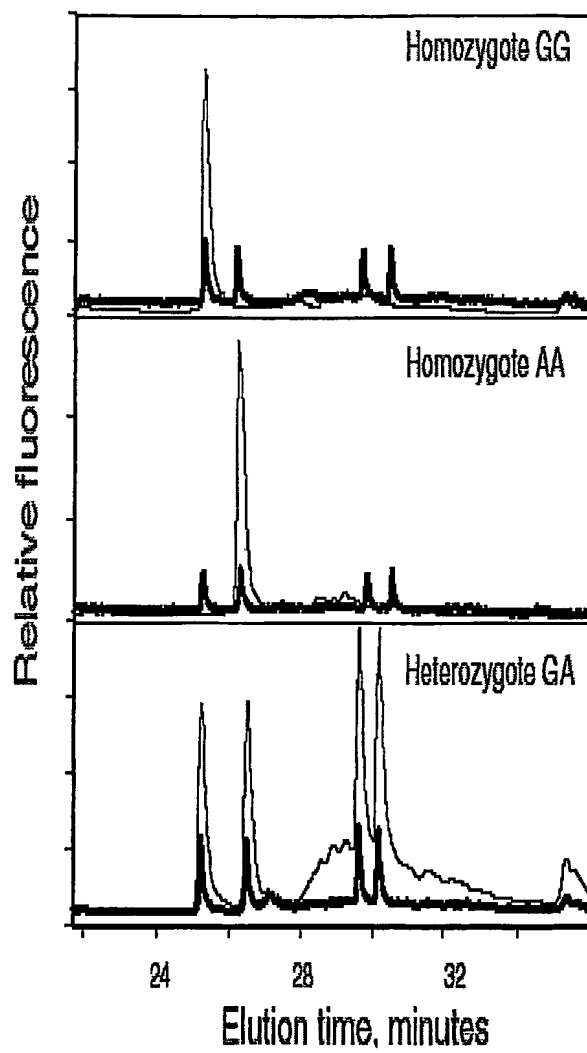
FIG. 12

| <i>Gene</i> | <i>Alleles</i> | | <i>Genotypes</i> | | |
|---|----------------|--------------|-------------------|---------------------|-------------------|
| | <i>Major</i> | <i>Minor</i> | <i>Homozygote</i> | <i>Heterozygote</i> | <i>Homozygote</i> |
| <i>TNFB</i> (<i>A_{major}</i> , <i>C_{minor}</i>) | | | | | |
| Pooled | 63.1 | 36.9 | 39.8 | 46.6 | 13.6 |
| | (0.6) | (0.6) | (1.3) | (0.5) | (0.8) |
| Single samples | 63.7 | 36.3 | 41.6 | 44.2 | 14.2 |
| <i>IL-4</i> (<i>C_{major}</i> , <i>T_{minor}</i>) | | | | | |
| Pooled | 84.0 | 15.4 | 71.7 | 26.0 | 2.4 |
| | (0.4) | (0.4) | (1.5) | (1.2) | (0.3) |
| Single samples | 84.8 | 15.2 | 72.1 | 25.3 | 2.5 |
| <i>CTLA-4</i> (<i>A_{major}</i> , <i>G_{minor}</i>) | | | | | |
| Pooled | 55.1 | 44.9 | 30.2 | 49.5 | 20.3 |
| | (1.8) | (1.2) | (1.2) | (1.0) | |
| Single samples | 55.7 | 44.3 | 29.5 | 52.3 | 18.1 |

All values are given as a percentage. The variation in allele frequencies between the pools is given with 1 standard deviation. Genotypes for the pooled and single samples are estimated and observed, respectively.

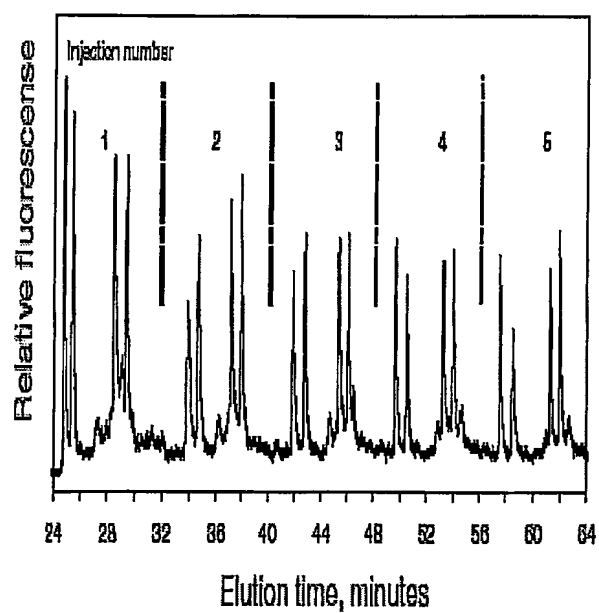
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FIG. 13



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FIG. 14



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FIG. 15

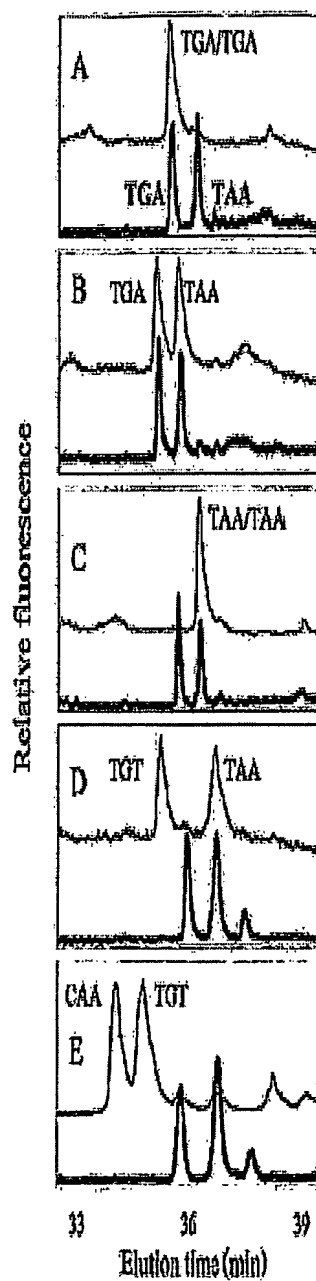
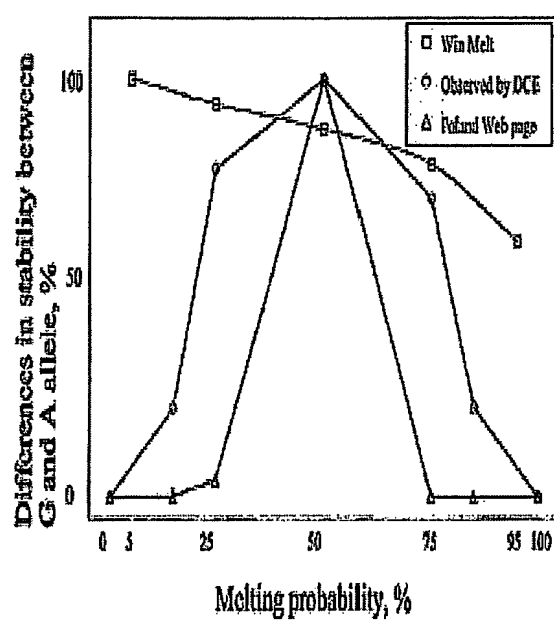


FIG. 17

| TVSSS (TPO) | TF | TC | CC | T | C |
|---------------|------|-----|-----|-------|------|
| Normal | 5531 | 144 | 1 | 97.9 | 2.1 |
| Rectal cancer | 142 | 9 | 0 | 97.0 | 3.0 |
| SSST (G/A) | 04 | 04 | AA | G | A |
| Normal | 3415 | 305 | 105 | 82.7 | 17.3 |
| Rectal cancer | 39 | 20 | 2 | 92.1 | 7.9 |
| SSSS (A/T) | AA | AT | TF | A | T |
| Normal | 3516 | 10 | 0 | 99.0 | 1.0 |
| Rectal cancer | 151 | 0 | 0 | 100.0 | 0.0 |

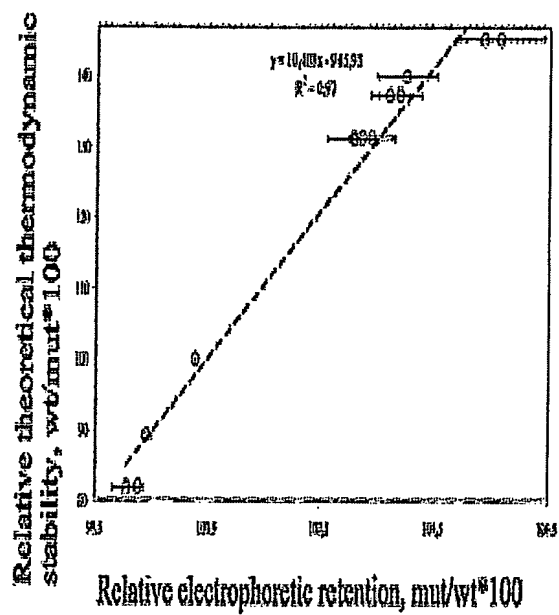
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FIG. 18



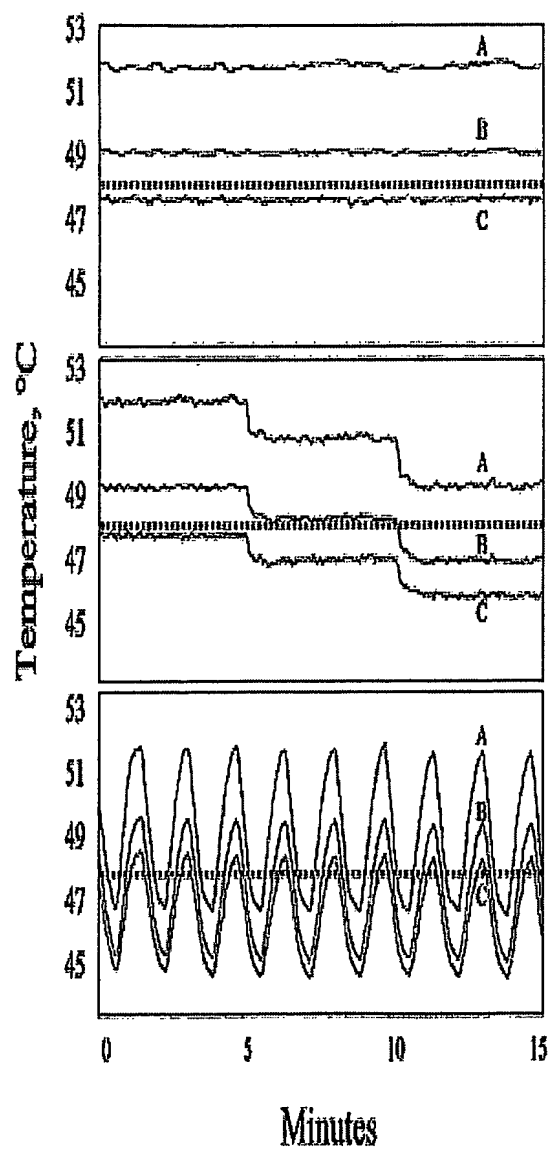
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FIG. 19



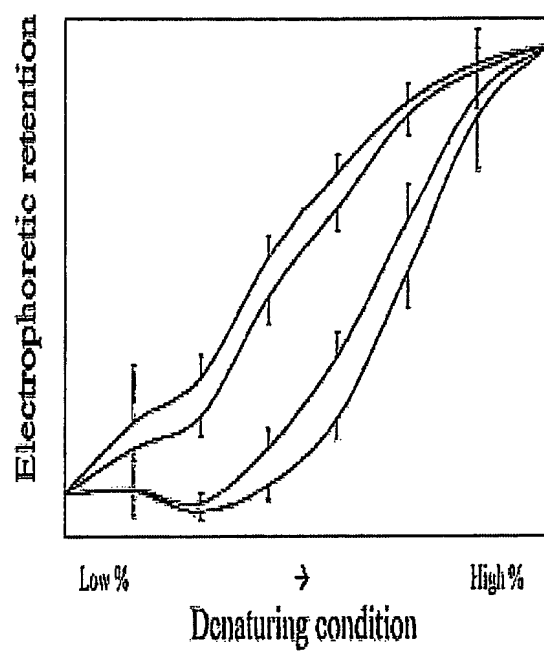
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FIG. 20



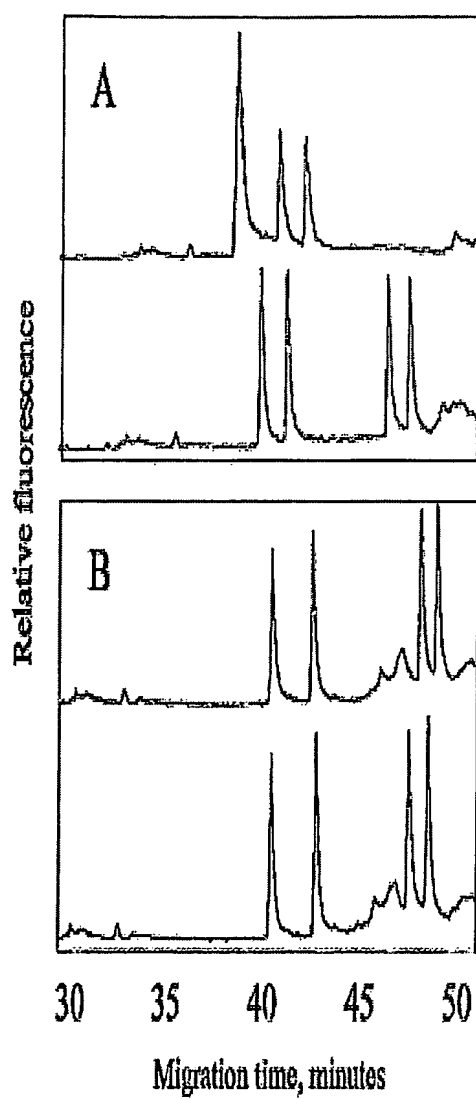
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FIG. 21



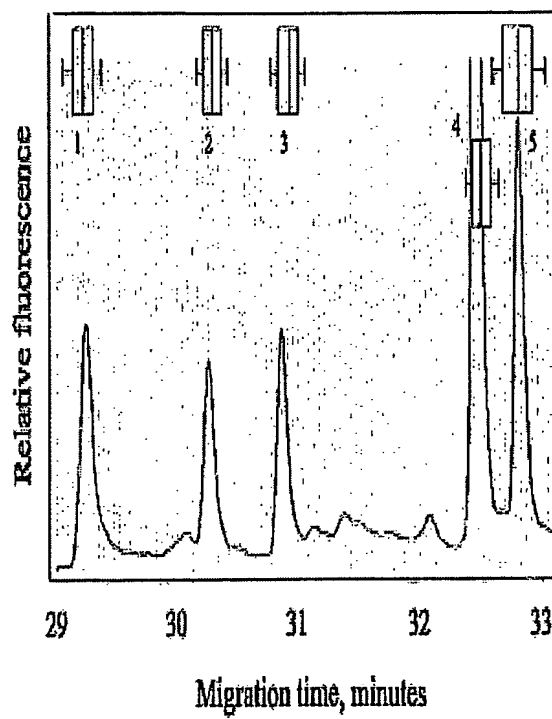
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FIG. 22



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FIG. 23



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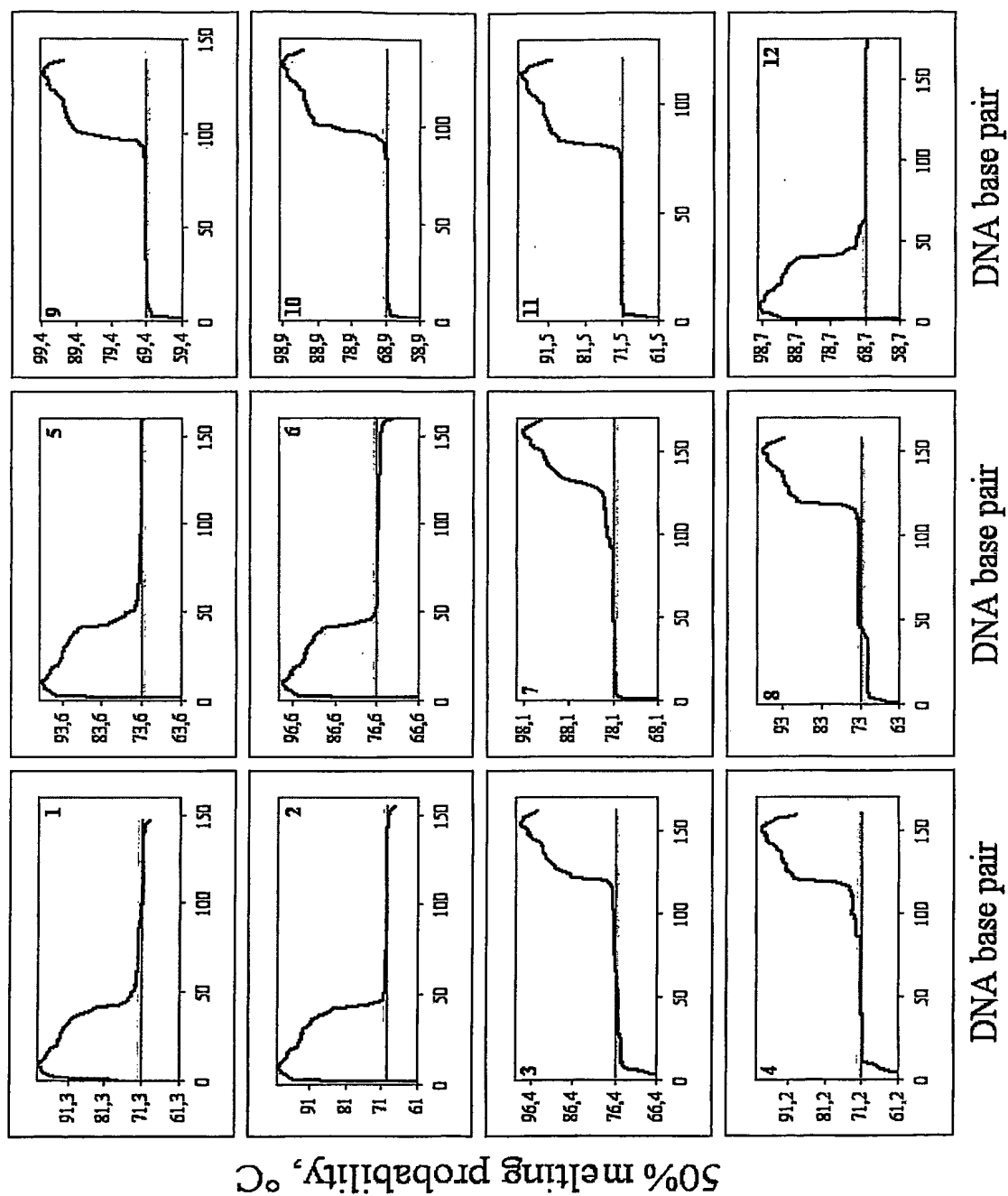
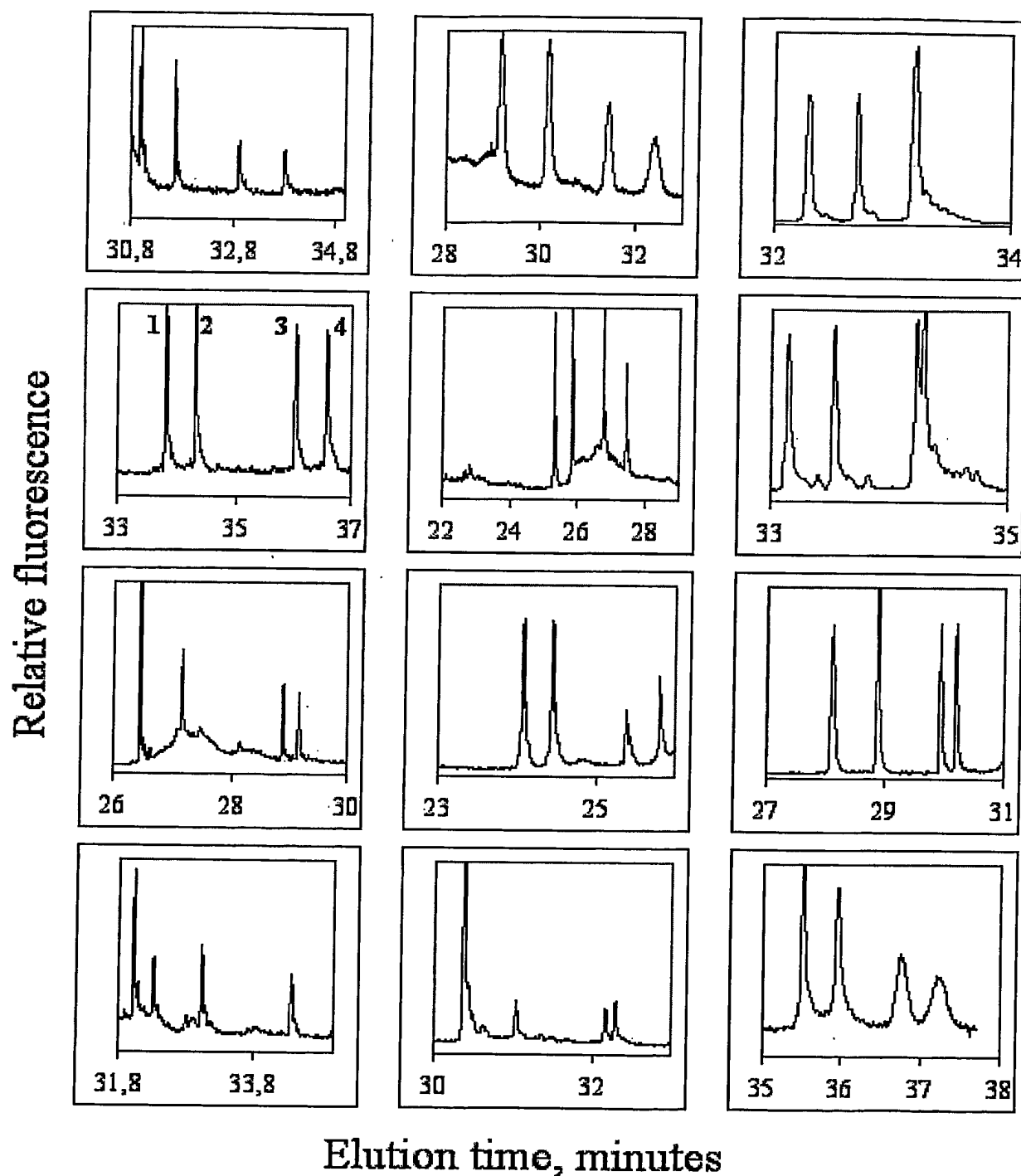


FIG. 24



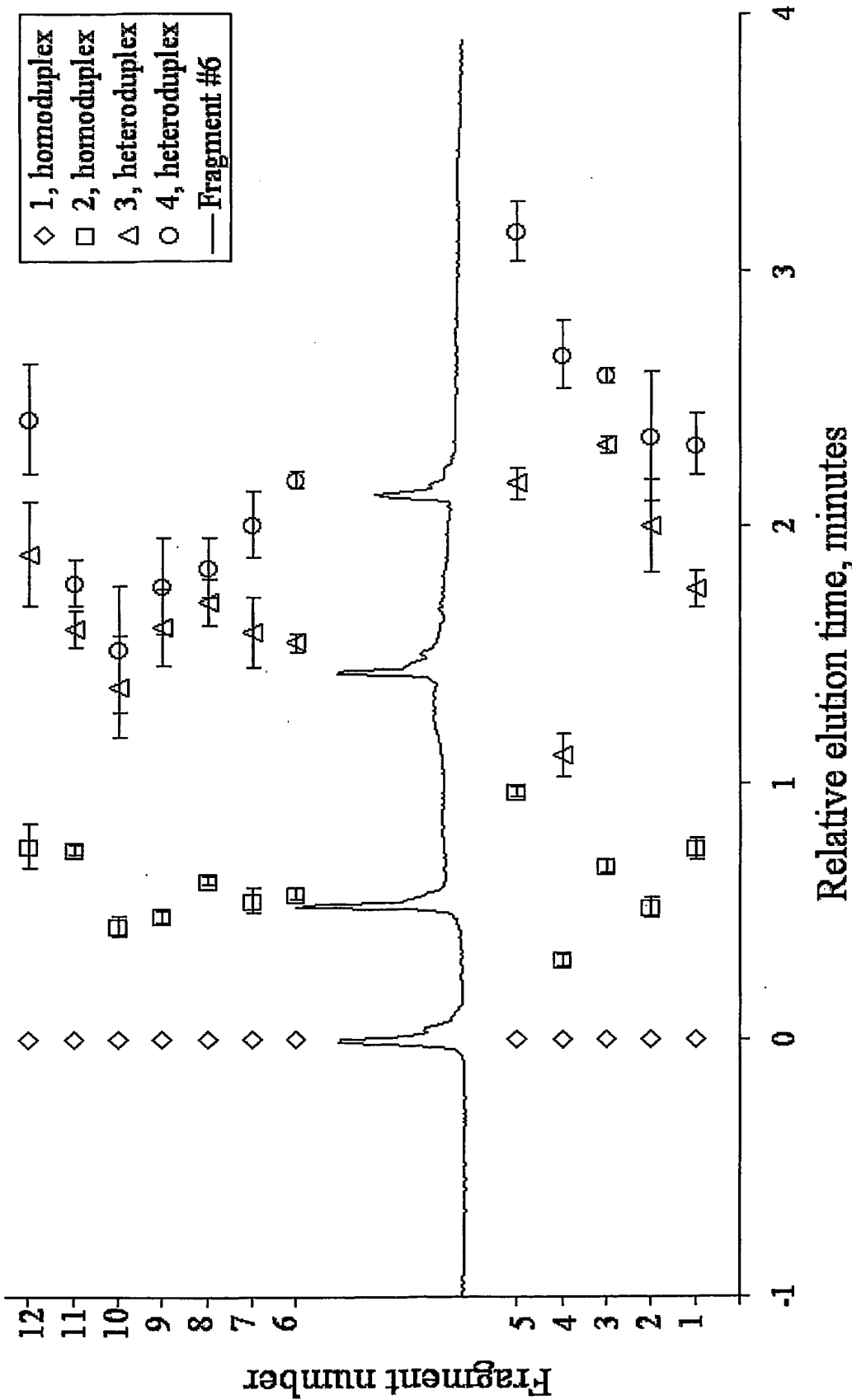
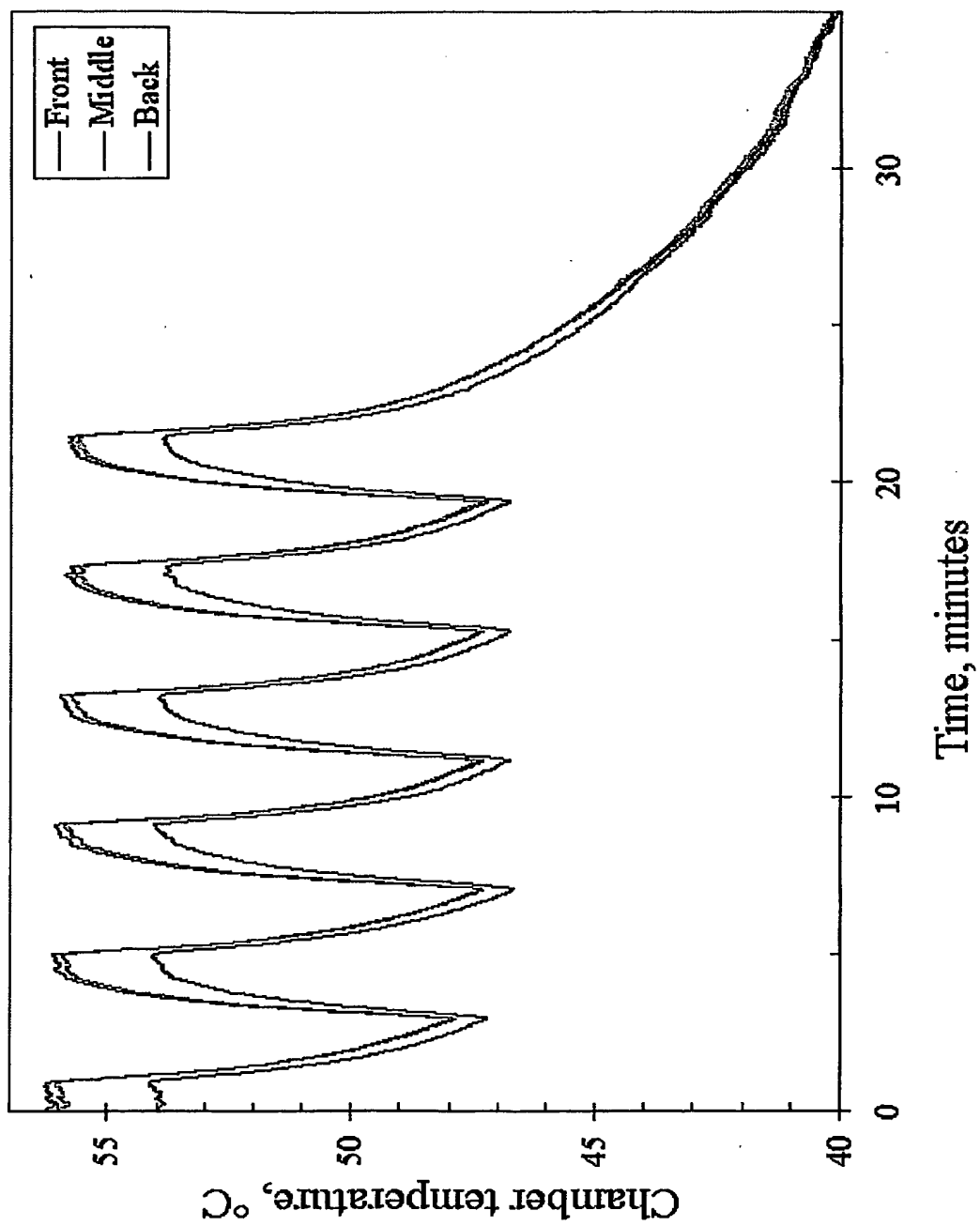


FIG. 26

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FIG. 27



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FIG. 28

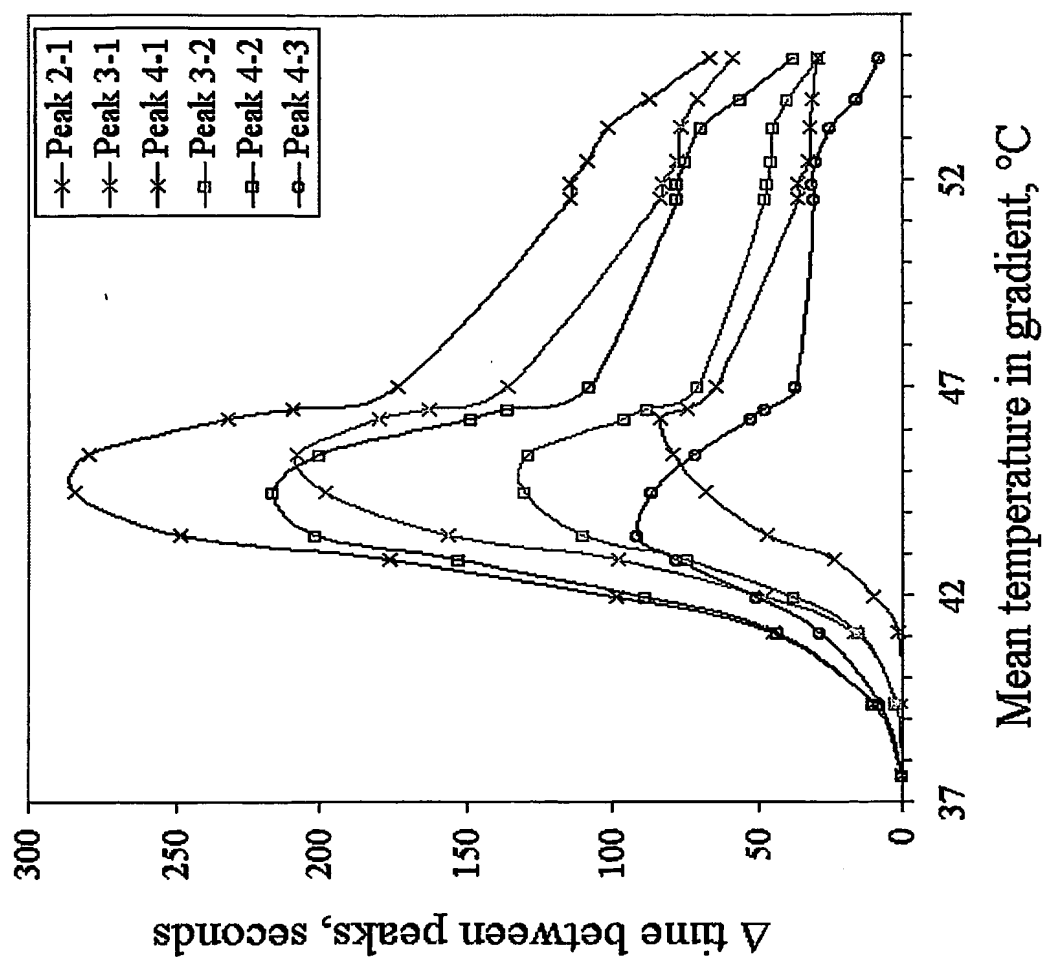
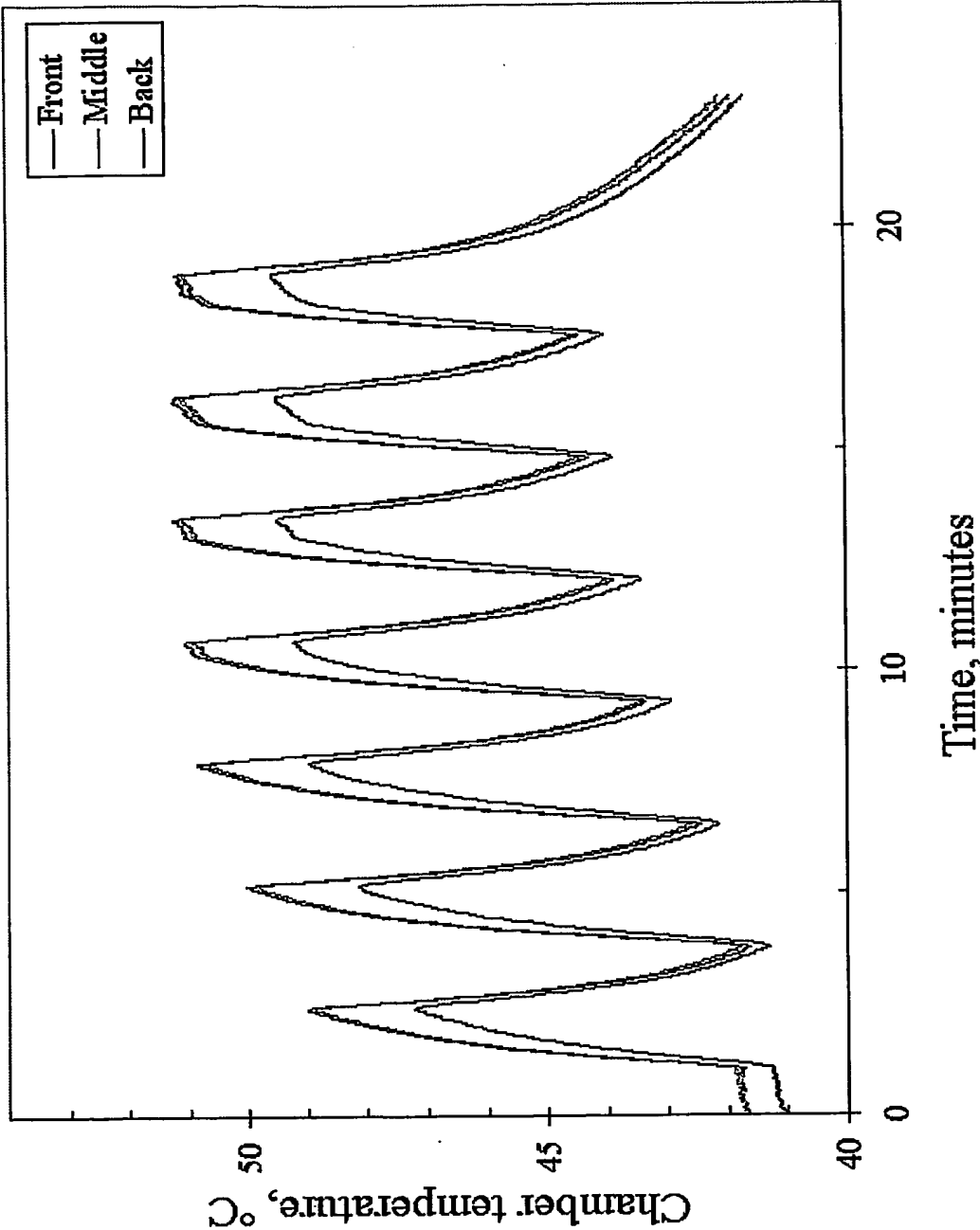


FIG. 29



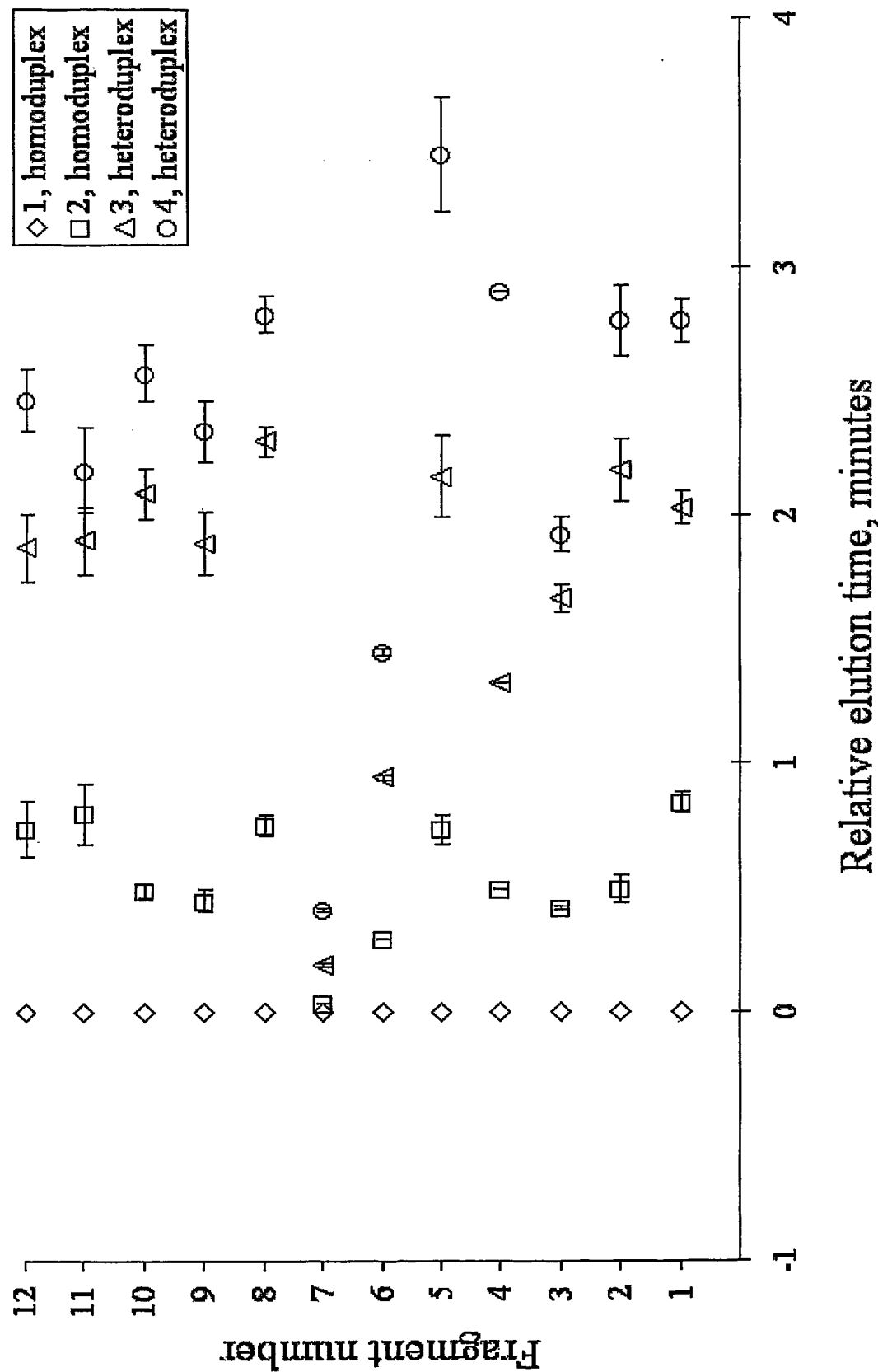


FIG. 30

FIG. 31

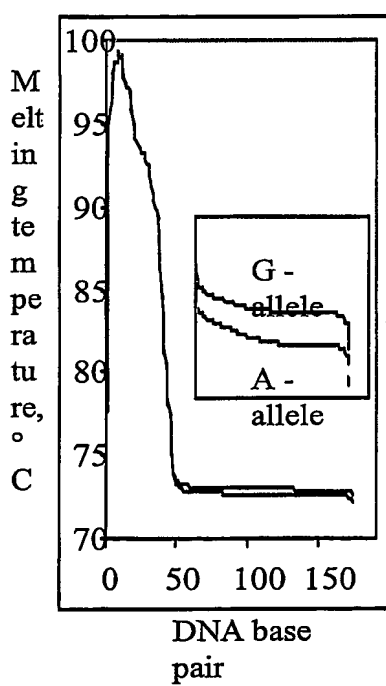
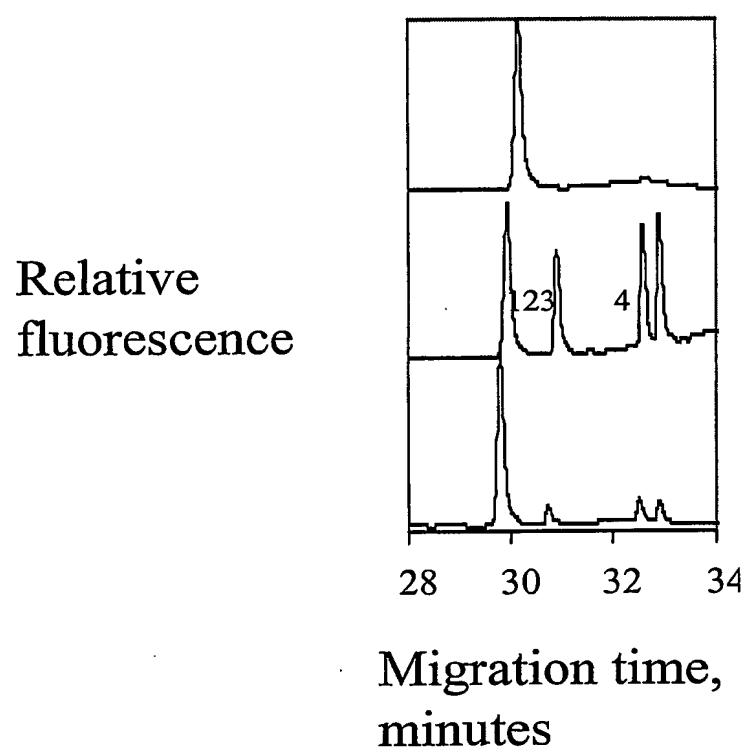


FIG. 32



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FIG. 33

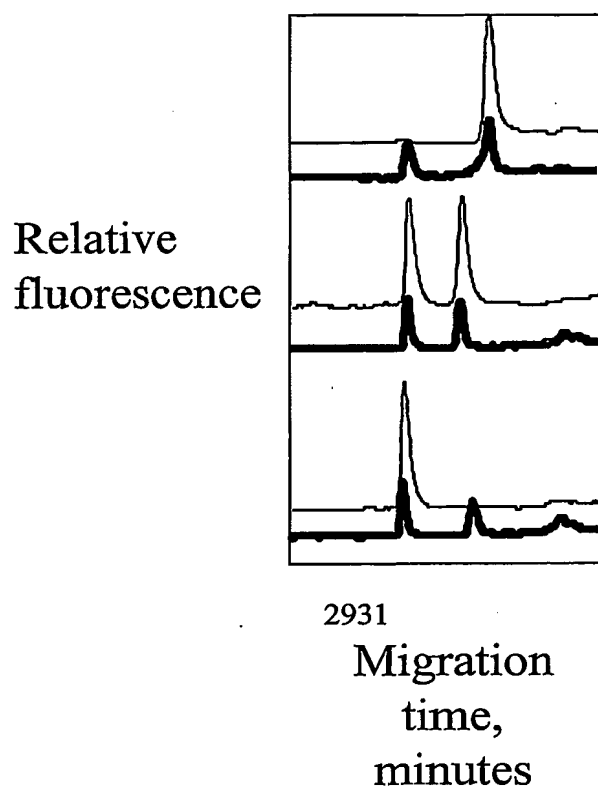


FIG. 34

| |
|--------------------|
| Alleles |
| 1 ----G-----C----- |
| Watson |
| ----C-----G----- |
| Crick |
| 2 ----C-----C----- |
| Watson |
| ----G-----G----- |
| Crick |
| 3 ----G-----T----- |
| Watson |
| ----C-----A----- |
| Crick |
| 4 ----C-----T----- |
| Watson |
| ----G-----A----- |
| Crick |

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FIG. 35

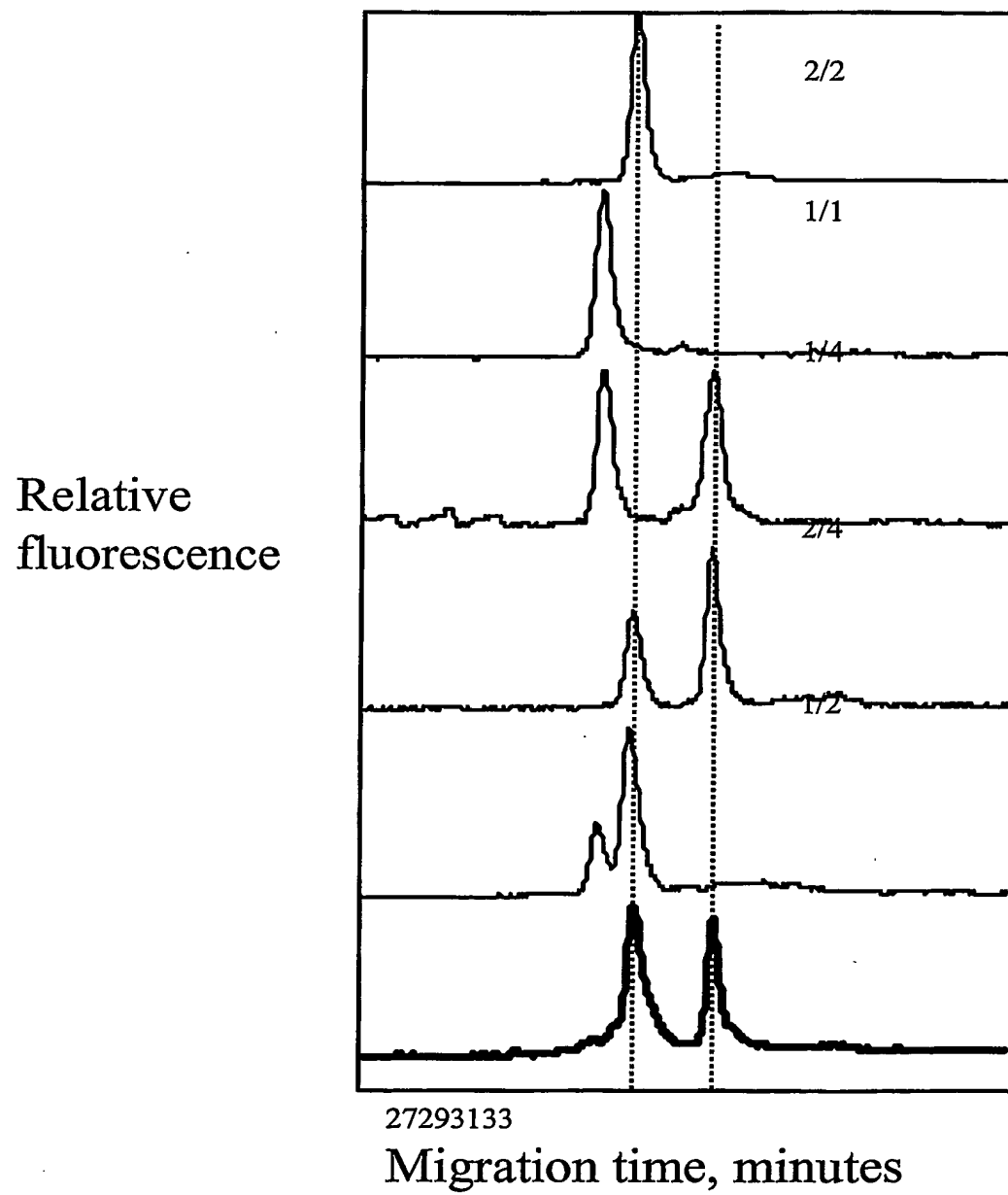
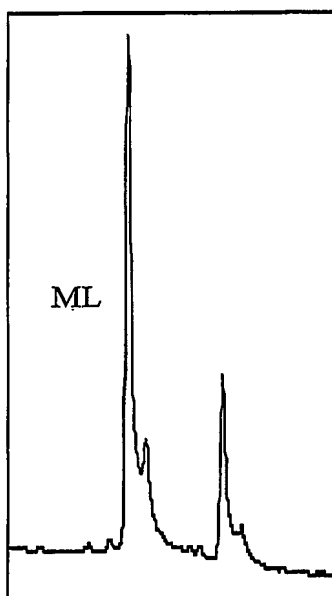


FIG. 36

Relative
fluorescence



2223
Migration time,
minutes

FIG. 37

Relative
fluorescence



27293133

Migration time,
minutes